Abstract

The present invention relates to a method for coating a substrate, as well as to a coated object. In a first step, in an external current-less or electrolytic manner, nickel and/or cobalt and/or platinum are deposited on a substrate in a deposition bath known per se. In the deposition bath, particles are additionally suspended which contain at least one metal selected from Mg, Al, Ti, Zn and no Cr, the particles becoming occluded in the coating. In the second step, the actual protective layer is produced by heat treatment. The preferred field of application of the coating of component parts is for aircraft turbines or gas turbines or for garbage incineration systems having temperature-resistant protective layers against high temperature corrosion.